

Title (en)
TERRACE SKYLIGHT

Title (de)
TERRASSENBERLICHT

Title (fr)
LANTERNEAU DE TERRASSE

Publication
EP 3677734 A2 20200708 (EN)

Application
EP 19217296 A 20191218

Priority
PL 42849119 A 20190104

Abstract (en)
The skylight has a frame (O) with a support frame (1) made of an non-isosceles profile with a "Z" profile, directed outwards by a horizontal lower arm (1a) longer than the upper arm (1b). A peripheral layer of thermal insulation (T) adheres to the web (1c). The frame (O) is sealed from above by a glass panel (S) composed of at least two transparent plates (8, 10), tightly connected at the edges with a spacer (11). The upper outer plate (8) has dimensions larger than the lower inner plate (10), and both plates (8, 10) tightly adhere to the support surface on the upper arm (1b) and the upper surface of the thermal insulation (T) by edge seals (12). The thermal insulation layer (I) made of low density insulation material has a height (h) greater than the web height (1c) by the distance between the bottom surfaces of the inner (10) and outer (8) plates. At the length of each side, the support frame (1) is provided with at least two mounting brackets (K), which with a vertical arm (14) are threaded through the slots (15) cut in the corners of the upper arm (1b) of the support frame (1) and adhere to the inner surface of the web (1c). With a horizontal arm (12), they covers the edge area of the inner plate (10) from above and presses it through the flexible pad (16) against the seal (12) on the lower arm (1a) of the support frame (1). At the same time, the outer plate (8) combined with the inner plate (10) is pressed through the seal (12) to the upper surface of the thermal insulation layer (T), whereby the mounting brackets (K) in the pressure position of the glass panel (S) are fastened with screws (18)) to the web (1c) of the support frame (1).

IPC 8 full level
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CPC (source: EP)
E04D 13/0315 (2013.01); **E06B 3/6617** (2013.01); **E06B 3/6621** (2013.01); **E06B 3/66314** (2013.01)

Citation (applicant)
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• US 2010269426 A1 20101028 - RICHTER STEPHEN [US], et al
• US 5216855 A 19930608 - RICHTER STEPHEN T [US], et al
• PL 226108 B1 20170630 - FAKRO PP SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ [PL]

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EP4269716A1; CN112832632A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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